

Josep Parron-Granados

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	HUMAN BODY EFFECTS ON IMPLANTABLE ANTENNAS FOR ISM BANDS APPLICATIONS: MODELS COMPARISON AND PROPAGATION LOSSES STUDY. <i>Progress in Electromagnetics Research</i> , 2010, 110, 437-452.	4.4	110
2	Multiscale Compressed Block Decomposition for Fast Direct Solution of Method of Moments Linear System. <i>IEEE Transactions on Antennas and Propagation</i> , 2011, 59, 526-536.	5.1	91
3	Fast Iterative Solution of Integral Equations With Method of Moments and Matrix Decomposition Algorithm â€“ Singular Value Decomposition. <i>IEEE Transactions on Antennas and Propagation</i> , 2008, 56, 2314-2324.	5.1	71
4	On the testing of the magnetic field integral equation with RWG basis functions in method of moments. <i>IEEE Transactions on Antennas and Propagation</i> , 2001, 49, 1550-1553.	5.1	70
5	Fast Direct Solution of Method of Moments Linear System. <i>IEEE Transactions on Antennas and Propagation</i> , 2007, 55, 3220-3228.	5.1	64
6	Multilevel matrix decomposition algorithm for analysis of electrically large electromagnetic problems in 3-D. <i>Microwave and Optical Technology Letters</i> , 1999, 22, 177-182.	1.4	54
7	Multilevel matrix decomposition algorithm for analysis of electrically large electromagnetic problems in 3-D. <i>Microwave and Optical Technology Letters</i> , 1999, 22, 177-182.	1.4	45
8	Application of the multilevel matrix decomposition algorithm to the frequency analysis of large microstrip antenna arrays. <i>IEEE Transactions on Magnetics</i> , 2002, 38, 721-724.	2.1	43
9	Closed-Form Expressions for the Design of Ladder-Type FBAR Filters. <i>IEEE Microwave and Wireless Components Letters</i> , 2006, 16, 657-659.	3.2	32
10	Integral equation MEI applied to three-dimensional arbitrary surfaces. <i>Electronics Letters</i> , 1997, 33, 2029.	1.0	23
11	Concentric Annular-Ring Microstrip Antenna With Circular Polarization. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011, 10, 517-519.	4.0	23
12	Method of moments enhancement technique for the analysis of Sierpinski pre-fractal antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2003, 51, 1872-1876.	5.1	21
13	Design of a Small-Size, Low-Profile, and Low-Cost Normal-Mode Helical Antenna for UHF RFID Wristbands. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2074-2077.	4.0	20
14	Compressed Block-Decomposition Algorithm for Fast Capacitance Extraction. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2008, 27, 265-271.	2.7	19
15	Dual-Band Antenna With Fractal-Based Ground Plane for WLAN Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2009, 8, 748-751.	4.0	19
16	Multilevel MDA-CBI for fast direct solution of large scattering and radiation problems. , 2007, , .		13
17	Concentric Annular Ring Slot Antenna for Global Navigation Satellite Systems. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 705-707.	4.0	12
18	Wearable RFID tag antenna for healthcare applications. , 2015, , .		12

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19	Resonator-Loaded Dual-Band Monopole for Universal WLAN. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 736-739.	4.0	11
20	A Split-Ring-Resonator Loaded Monopole for Triple Band Applications. Journal of Electromagnetic Waves and Applications, 2010, 24, 241-250.	1.6	11
21	Dual-Band Mixer Using Composite Right/Left-Handed Transmission Lines. IEEE Microwave and Wireless Components Letters, 2007, 17, 607-609.	3.2	10
22	Multiport Compact Stacked Patch Antenna With 360° Beam Steering for Generating Dynamic Directional Modulation. IEEE Transactions on Antennas and Propagation, 2021, 69, 1162-1167.	5.1	10
23	Multiscale CBD for fast direct solution of MoM linear system. , 2008, , .		9
24	Dual Channel Broadcast using Phase-Only Directional Modulation System. , 2018, , .		9
25	General electromagnetic simulation tool to predict the microwave nonlinear response of planar, arbitrarily-shaped HTS structures. IEEE Transactions on Applied Superconductivity, 2001, 11, 399-402.	1.7	8
26	A robust 3D Mesh generator for the Dey-Mittra conformal FDTD algorithm. , 2007, , .		8
27	Simulation of millimeter-wave body images and its application to biometric recognition. , 2012, , .		7
28	Characterization of an Eight-Element Circular Patch Array for Helical Beam Modes. IEEE Transactions on Antennas and Propagation, 2019, 67, 7348-7355.	5.1	7
29	2.45 GHz printed IFA on metallic environments: Clearance distance and retuning considerations. , 2012, , .		6
30	Harmonic Balance Algorithms for the Nonlinear Simulation of HTS Devices. Journal of Superconductivity and Novel Magnetism, 2001, 14, 57-64.	0.5	5
31	Broadside radiation enhancement using a spiral resonator MNZ metamaterial substrate. , 2008, , .		5
32	Distance-based feature extraction for biometric recognition of Millimeter Wave body images. , 2011, , .		5
33	Dual-Band Circularly Polarized Microstrip Antenna. Journal of Electromagnetic Waves and Applications, 2012, 26, 737-743.	1.6	5
34	Low profile UHF RFID tag for wristbands in healthcare applications. , 2014, , .		5
35	Small Size and Low Cost UHF RFID Tag Antenna Mountable on Metallic Objects. International Journal of Antennas and Propagation, 2015, 2015, 1-6.	1.2	5
36	Figure of merit for multiband antennas. IEEE Transactions on Antennas and Propagation, 2003, 51, 3177-3180.	5.1	4

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37	CIRCULARLY-POLARIZED STACKED ANNULAR-RING MICROSTRIP ANTENNA. Progress in Electromagnetics Research Letters, 2011, 23, 99-107.	0.7	4
38	Reconfigurable Matching Network for 2.45 GHz printed IFA on metallic environments. , 2012, , .		4
39	Circularly polarized ring-slot antenna for RFID readers. , 2012, , .		4
40	Hardware implementation of directional modulation system with a 2 element antenna array. , 2017, , .		4
41	IMPROVING SILICON INTEGRATED ANTENNAS BY SUBSTRATE MICROMACHINING: A STUDY OF ETCHING PATTERNS. Progress in Electromagnetics Research, 2011, 117, 365-378.	4.4	3
42	A Passive Wireless Sensor Network for Temperature Mapping Inside a Shielded Coaxial Enclosure. IEEE Journal of Radio Frequency Identification, 2018, 2, 144-151.	2.3	3
43	On the Implementation of a Dynamic Direction Modulation System with Vector Modulators. International Journal of Antennas and Propagation, 2019, 2019, 1-13.	1.2	3
44	The MDA-SVD algorithm for fast direct or iterative solution of discrete integral equations. , 2007, , .		3
45	Smaller resonators for artificial magnetic surfaces. , 2007, , .		2
46	Electromagnetic feasibility of a passive wireless sensor network for temperature mapping inside a shielded enclosure. , 2017, , .		2
47	Performance Assessment of a Novel Miniaturized RFID Tag for Inventorying and Tracking Metallic Tools. IEEE Journal of Radio Frequency Identification, 2018, 2, 127-133.	2.3	2
48	Multichannel Dynamic Directional Modulation with Software Defined Radio. , 2020, , .		2
49	Star-Shaped Wheel for Mechanical Micro-Doppler Modulation. IEEE Antennas and Wireless Propagation Letters, 2021, , 1-1.	4.0	2
50	Integration of UPC-UAB fast solvers into the antenna simulation software of UNEX-UPM, KUL, UPV and EPFL ace partners. , 2007, , .		1
51	Circularly polarized square-ring slot antenna. , 2013, , .		1
52	Miniaturisation of artificial magnetic conductors: comparison methodology and realisation of compact unit cell. Electronics Letters, 2014, 50, 1340-1342.	1.0	1
53	Hardware implementation of a direction dependent antenna modulation system. , 2016, , .		1
54	Influence of Non-ideal Components in a Dynamic Directional Modulation System. , 2018, , .		1

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55	Implementation of Dynamic Directional Modulation with Software Defined Radio. , 2019, , .		1
56	Multiport Compact Stacked Patch Antenna For Multichannel Dynamic Directional Modulation. , 2021, , .		1
57	Improved MDA compression for accelerated linear system solutions and monopolar basis functions for accurate MFIE formulations. , 2007, , .		0
58	Implementation of a dual-band mixer using composite right/left-handed transmission lines. , 2007, , .		0
59	New multiband asymmetric top-loaded mod-p antenna for terrestrial and satellite communication services. , 2008, , .		0
60	In-line hologram with synthesized opposite-phase internal reference. , 2013, , .		0
61	Hardware implementation of directional modulation system. , 2016, , .		0
62	Parallel plate antenna for UHF RFID tags operating over metallic objects. , 2016, , .		0
63	A Four Channel Linearly Polarized Helical Beam Antenna System. , 2019, , .		0
64	Accurate and Efficient Evaluation of Bit Error Rate for Dynamic Directional Modulation for Standard Modulation Schemes. Electronics (Switzerland), 2021, 10, 776.	3.1	0
65	Multibeam Directional Secure Transmission with Multiport Compact Antenna. , 2022, , .		0